

DC-LAMP Polyclonal Antibody

Catalog # AP74074

Product Information

Application WB, IHC-P
Primary Accession Q9UQV4
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 44346

Additional Information

Gene ID 27074

Other Names Lysosome-associated membrane glycoprotein 3 (LAMP-3)

(Lysosomal-associated membrane protein 3) (DC-lysosome-associated membrane glycoprotein) (DC LAMP) (Protein TSC403) (CD antigen CD208)

Dilution WB~~WB 1:500-2000,IHC-p 1:500-200, ELISA 1:10000-20000 IHC-P~~WB

1:500-2000,IHC-p 1:500-200, ELISA 1:10000-20000

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

Protein Information

Name LAMP3

Synonyms DCLAMP, TSC403

Function Lysosomal membrane glycoprotein which plays a role in the unfolded

protein response (UPR) that contributes to protein degradation and cell survival during proteasomal dysfunction (PubMed:25681212). Plays a role in the process of fusion of the lysosome with the autophagosome, thereby modulating the autophagic process (PubMed:24434718). Promotes hepatocellular lipogenesis through activation of the PI3K/Akt pathway (PubMed:29056532). May also play a role in dendritic cell function and in

adaptive immunity (PubMed: 9768752).

Cellular Location Cell surface. Lysosome membrane; Single-pass type I membrane protein.

Cytoplasmic vesicle membrane; Single-pass type I membrane protein. Early endosome membrane; Single-pass type I membrane protein. Note=During dendritic cell maturation, detected on cytoplasmic vesicles (the MHC II compartment) that contain MHC II proteins, LAMP1, LAMP2 and LAMP3

(PubMed:9768752). Detected on lysosomes in mature dendritic cells (PubMed:9768752).

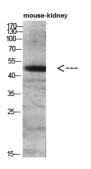
Tissue Location

Detected in tonsil interdigitating dendritic cells, in spleen, lymph node, Peyer's patches in the small instestine, in thymus medulla and in B-cells (at protein level). Expressed in lymphoid organs and dendritic cells. Expressed in lung. Up-regulated in carcinomas of the esophagus, colon, rectum, ureter, stomach, breast, fallopian tube, thyroid and parotid tissues

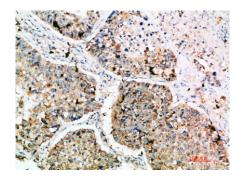
Background

May play a role in dendritic cell function and in adaptive immunity.

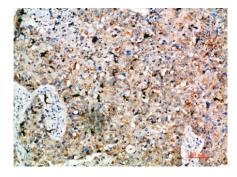
Images



Western blot analysis of mouse-lung mouse-heart 293T Hela 3T3 lysate, antibody was diluted at 500. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-lung-cancer, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-lung-cancer, antibody was diluted at 1:200

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